

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (Currently Amended) A computer readable medium having a data structure for managing reproduction of video data, comprising:

a data area storing a first video data associated with a main reproduction path of the video data and a second video data associated with a side reproduction path of the video data, ~~the side reproduction path being which is~~ a side path to the main reproduction path;

a playlist area storing a first playlist file including a playitem identifying the first video data and a second playlist file including a playitem identifying the second video data; and

a navigation area storing a navigation file including a first path item including a navigation command executing the first playlist file and a second path item including a navigation command executing the second playlist file, the navigation file and the playlist files being separate from each other, a reproduction of the main reproduction path being suspended during a reproduction of the side reproduction path and resumed at the suspended position after the reproduction of the side reproduction path.

2. (Previously Presented) The computer readable medium of claim 1, wherein the second playlist file is branched from the first playlist file.

3-9. (Cancelled)

10. (Previously Presented) The computer readable medium of claim 1, wherein the navigation commands included in the first and the second path items are divided into navigation command groups.

11. (Currently Amended) The computer readable medium of claim 10, wherein the main reproduction path branches off to the side reproduction path.

12-19. (Cancelled)

20. (Previously Presented) The computer readable medium of claim 10, wherein the first path item and the second path item include a length indicator indicating a length of the first path item and the second path item, respectively.

21. (Previously Presented) The computer readable medium of claim 10, wherein the first path item and the second path item include attribute indicators providing indications of at least one attribute of the first path item and the second path item, respectively.

22. (Previously Presented) The computer readable medium of claim 10, wherein the navigation file further includes a number of path item indicators indicating the number of the path item included in the navigation file.

23. (Cancelled)

24. (Previously Presented) The computer readable medium of claim 1, wherein the second path item command resumes reproduction of the main reproduction path after reproduction of the side reproduction path.

25-29. (Cancelled)

30. (Currently Amended) A method of recording a data structure for managing reproduction of video data on a ~~recording computer readable~~ medium, comprising:

recording a first video data associated with a main reproduction path ~~of the video data~~ and a second video data associated with a side reproduction path ~~of the video data in a data area of the recording medium, the side reproduction path being which is a side path to the main reproduction path, a reproduction of the main reproduction path being suspended during the a reproduction of the side reproduction path and resumed at the suspended position after the reproduction of the side reproduction path;~~

recording a first playlist file including a playitem identifying the first video data and a second playlist file including a playitem identifying the second video data in a ~~playlist area of the recording computer readable~~ medium; and

recording a navigation file in a ~~navigation area of the recording computer readable~~ medium, the navigation file including a first path item including a navigation command executing the first playlist file and a second path item including a

navigation command executing the second playlist file, the navigation file and the
playlist files being separate from each other.

31. (Currently Amended) A method of reproducing a data structure for managing reproduction of video data recorded on a recording computer readable medium, comprising:

reading a navigation file from a navigation area of the recording computer
readable medium, the navigation file including a first path item including a navigation command executing a first playlist file and a second path item including a navigation command executing a second playlist file;

reading the first path item from the navigation area;

reading the first playlist file executed by the first path item from a playlist area of the recording computer readable medium, the first playlist file including a playitem identifying a first video data associated with a main reproduction path of the video
data;

reading the first video data identified by the first playlist file from a data area of the recording computer readable medium;

reading the second path item from the navigation area;

reading the second playlist file executed by the second path item from the
playlist area, the second playlist file including a playitem identifying a second video data associated with a side reproduction path of the video data, the side reproduction
path being which is a side path to the main reproduction path, the navigation file and
the playlist files being separate from each other;

reproducing the second video identified by the second playlist file ~~from the data area, a reproduction of the main reproduction path being suspended during the-a reproduction of the side reproduction path; and~~

resuming the reproduction of the main reproduction path at the suspended position after the reproduction of the side reproduction path.

32. (Currently Amended) An apparatus for recording a data structure for managing reproduction of video data on a ~~recording~~ computer readable medium, comprising:

a recording device configured to record data on the ~~recording~~ computer readable medium; and

a controller configured to control the recording device to record first video data associated with a main reproduction path ~~of the video data~~ and second video data associated with a side reproduction path ~~of the video data in a data area of the recording medium, the side reproduction path being which is~~ a side path to the main reproduction path, a reproduction of the main reproduction path being suspended during the-a reproduction of the side reproduction path and resumed at the suspended position after the reproduction of the side reproduction path,

wherein the controller is further configured to control a recording ~~unit~~ device to record a first playlist file including a playitem identifying the first video data and a second playlist file including a playitem identifying the second video data ~~in a playlist area of the recording~~ computer readable medium and to record a navigation file in a ~~navigation area of the recording~~ computer readable medium, the navigation file including a first path item including a navigation command executing the first playlist

file and a second path item including a navigation command for executing the second playlist file, the navigation file and the playlist files being separate from each other.

33. (Currently Amended) An apparatus for reproducing a data structure for managing reproduction of video data recorded on a ~~recording computer readable~~ medium, comprising:

a reproducing device configured to reproduce data recorded on the ~~recording computer readable~~ medium;

a controller configured to control the reproducing device to reproduce a navigation file from ~~a navigation area of the recording computer readable~~ medium, the navigation file including a first path item including a navigation command executing a first playlist file and a second path item including a navigation command executing a second playlist file,

wherein the controller is further configured to control a reproducing ~~unit device~~ to reproduce the first path item ~~from the navigation area~~,

~~wherein the controller is further configured to reproduce the first playlist file executed by the first path item from a computer readable playlist area, the playlist area physically separated from the navigation area of the recording medium, the first playlist file including a playitem identifying a first video data associated with a main reproduction path of the video data,~~

~~wherein the controller is further configured to reproduce the first video data identified by the first playlist file from a data area, the data area physically separated from the navigation area and the playlist area of the recording computer readable medium,~~

~~wherein the controller is further configured to reproduce the second path item from the navigation area, to reproduce the second playlist file executed by the second path item from the playlist area, the second playlist file including a playitem identifying a second video data associated with a side reproduction path of the video data, the side reproduction path being which is a side path to the main reproduction path,~~

~~wherein the controller is further configured to reproduce the second video data identified by the second playlist file from the data area, a reproduction of the main reproduction path being suspended during a reproduction of the side reproduction path, and~~

~~wherein the controller is further configured to resume the reproduction of the main reproduction path at the suspended position after the reproduction of the side reproduction path, the navigation file and the playlist files being separate from each other.~~

34. (Previously Presented) The method of claim 30, wherein the second playlist file is branched from the first playlist file.

35. (Cancelled)

36. (Currently Amended) The method of claim 30, wherein the main reproduction path branches off to the side reproduction path.

37. (Previously Presented) The method of 30, wherein the first path item resumes reproduction of the main reproduction path after reproduction of the side reproduction path.

38. (Previously Presented) The method of claim 31, wherein the second playlist file is branched from the first playlist file.

39. (Cancelled)

40. (Currently Amended) The method of claim 31, wherein the main reproduction path branches off to the side reproduction path.

41. (Previously Presented) The method of 31, wherein the first path item resumes reproduction of the main reproduction path after reproduction of the side reproduction path.

42. (Previously Presented) The apparatus of claim 32, wherein the second playlist file is branched from the first playlist file.

43. (Cancelled)

44. (Currently Amended) The apparatus of claim 32, wherein the main reproduction path branches off to the side reproduction path.

45. (Previously Presented) The apparatus of 32, wherein the first path item resumes reproduction of the main reproduction path after reproduction of the side reproduction path.

46. (Previously Presented) The apparatus of claim 33, wherein the second playlist file is branched from the first playlist file.

47. (Cancelled)

48. (Currently Amended) The apparatus of claim 33, wherein the main reproduction path branches off to the side reproduction path.

49. (Previously Presented) The apparatus of 33, wherein the first path item resumes reproduction of the main reproduction path after reproduction of the side reproduction path.